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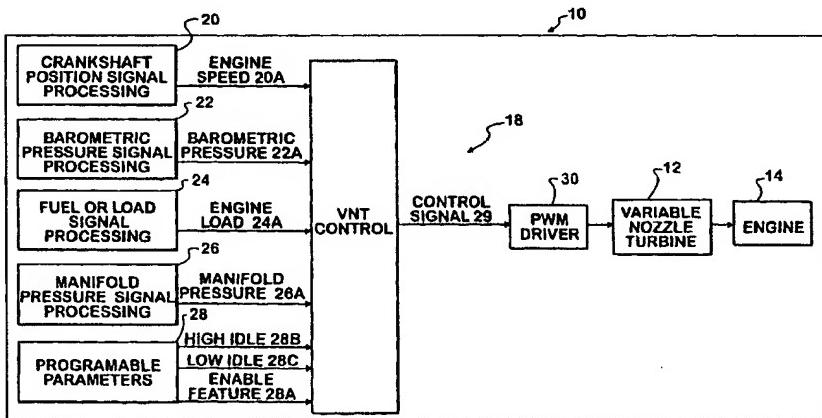
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(54) Title: VARIABLE NOZZLE TURBINE CONTROL STRATEGY



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(57) Abstract: A variable nozzle turbocharger (12) creates engine boost. Boost is controlled by controlling the position of vanes within turbocharger. A processor develops a control signal (29) for controlling vane position. The processor develops a value for desired boost and processes that value with a value corresponding to the amount of boost being created by the turbocharger to generate error data (48A) defining error between the amount of boost being created by the turbocharger and the desired boost, and the processor develops a component of the control signal by P-LI-D processing (62) of the error data. Other components of the control signal are a feed-forward value from a look-up table (34) and a value from an overspeed protection function (60).